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PTO/SB/17(07-06)  
Approved for use through 01/31/2007. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

<b>FEE TRANSMITTAL</b> For FY 2005		<b>Complete if Known</b>	
		Application Number	10/564,392-Conf. #1802
		Filing Date	January 13, 2006
		First Named Inventor	Yoshihisa Minato
		Examiner Name	Not Yet Assigned
		Art Unit	N/A
		Attorney Docket No.	O3020.0375/P375
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27			
TOTAL AMOUNT OF PAYMENT	(\$)	400.00	

<b>METHOD OF PAYMENT</b> (check all that apply)	
<input type="checkbox"/> Check	<input checked="" type="checkbox"/> Credit Card
<input type="checkbox"/> Money Order	<input type="checkbox"/> None
<input type="checkbox"/> Other (please identify): _____	
<input checked="" type="checkbox"/> Deposit Account	Deposit Account Number: <b>04-1073</b> Deposit Account Name: <b>Dickstein Shapiro LLP</b>
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input checked="" type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments

<b>FEE CALCULATION</b>								
<b>1. BASIC FILING, SEARCH, AND EXAMINATION FEES</b>								
	<b>FILING FEES</b>		<b>SEARCH FEES</b>		<b>EXAMINATION FEES</b>			
		<b>Small Entity</b>		<b>Small Entity</b>		<b>Small Entity</b>		
<b>Application Type</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fees Paid (\$)</b>	
Utility	300	150	500	250	200	100		
Design	200	100	100	50	130	65		
Plant	200	100	300	150	160	80		
Reissue	300	150	500	250	600	300		
Provisional	200	100	0	0	0	0		
<b>2. EXCESS CLAIM FEES</b>								
							<b>Small Entity</b>	
							<b>Fee (\$)</b>	
<b>Fee Description</b>							<b>Fee (\$)</b>	
Each claim over 20 (including Reissues)							50	
Each independent claim over 3 (including Reissues)							200	
Multiple dependent claims							360	
							180	
<b>Total Claims</b> <b>Extra Claims</b> <b>Fee (\$)</b> <b>Fee Paid (\$)</b>							<b>Multiple Dependent Claims</b>	
69    - 69 =    x    =							<b>Fee (\$)</b> <b>Fee Paid (\$)</b>	
HP = highest number of total claims paid for, if greater than 20.								
<b>Indep. Claims</b> <b>Extra Claims</b> <b>Fee (\$)</b> <b>Fee Paid (\$)</b>								
23    - 23 =    x    =								
HP = highest number of independent claims paid for, if greater than 3.								
<b>3. APPLICATION SIZE FEE</b>								
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).								
<b>Total Sheets</b>		<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>		<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>		
- 100 =		/50	(round up to a whole number) x		=			
<b>4. OTHER FEE(S)</b>								
Non-English Specification, \$130 fee (no small entity discount)								
Other (e.g., late filing surcharge):    Petition to Change Inventor's Name							400.00	

<b>SUBMITTED BY</b>			
Signature		Registration No. (Attorney/Agent)	28,371
Name (Print/Type)	Thomas J. D'Amico	Telephone	(202) 420-2232
		Date	August 28, 2006



Docket No.: O3020.0375/P375  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Yoshihisa Minato et al.

Application No.: 10/564,392

Confirmation No.: 1802

Filed: January 13, 2006

Art Unit: N/A

For: OBJECT DETERMINING DEVICE AND  
IMAGING APPRATUS

Examiner: Not Yet Assigned

**RESPONSE TO NOTIFICATION OF DEFECTIVE RESPONSE**

MS Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

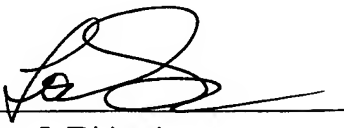
In response to the Notification of Defective Response mailed July 26, 2006, Applicants respectfully submit a Petition Under 37 C.F.R. 1.182 to Change Inventor's Name, a Declaration signed by the inventor setting forth the reason for the name change, a Copy of the Notice, and a copy of the previously filed executed Declaration of Yoshihisa Minato.

Please charge our Credit Card in the amount of \$400.00 covering the fees set forth in 37 CFR 1.17(f). Credit Card Payment Form SB-2038, with a signature from an authorized cardholder, is enclosed. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed

herewith (or with any paper hereafter filed in this application by this firm) to our  
Deposit Account No. 04-1073, under Order No. O3020/0375/P375.

Dated: August 28, 2006

Respectfully submitted,

By   
Thomas J. D'Amico  
Registration No.: 28,371  
Jennifer M. McCue  
Registration No.: 55,440  
DICKSTEIN SHAPIRO LLP  
1825 Eye Street, NW  
Washington, DC 20006-5403  
(202) 420-2200  
Attorneys for Applicant



Docket No.: O3020.0375/P375  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Yoshihisa Minato et al.

Application No. 10/564,392

International Filing Date: July 14, 2004

For: OBJECT DETERMINING DEVICE AND  
IMAGING APPARATUS

**PETITION UNDER 37 C.F.R. 1.182 TO CHANGE INVENTOR'S NAME**

Office of Petitions  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.182, applicant hereby petitions the Patent and Trademark Office to change an inventor's name on the above-identified patent application from Yoshihisa Ijiri to Yoshihisa Minato. The petition fee of \$400.00 under 37 C.F.R. 1.17(f) accompanies this petition.

A declaration signed by the inventor setting forth both names and the procedure whereby the change of name was effected is attached. A Response to the Notification of Defective Response with a copy of the declaration executed in the name of Yoshihisa Minato also accompanies this petition.

08/29 1206 JADD01 00000014 10564392

01 FC:1452

400.00 OP

Application No.: 10/564,392

Docket No.: O3020.0375/P375

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1073, under Order No. O3020.0375/P375.

Dated: August 28, 2006

Respectfully submitted,

By 

Thomas J. D'Amico

Registration No.: 28,371

Jennifer M. McCue

Registration No.: 55,440

DICKSTEIN SHAPIRO LLP

1825 Eye Street NW

Washington, DC 20006-5403

(202) 420-2200

Attorneys for Applicant

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Yoshihisa Minato et al.

Application No.: 10/564,392

Filed: January 13, 2006

For: OBJECT DETERMINING DEVICE AND  
IMAGING APPARATUS

Office of Petitions  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**DECLARATION**

Dear Sir:

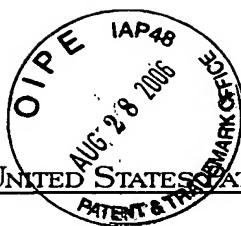
I, Yoshihisa Minato, declare and state as follows:

I was formally known as Yoshihisa Ijiri and was listed as such as on inventor on PCT Application No. PCT/JP2004/010055, filed July 14, 2004. Subsequently, I was married and my current married name is Yoshihisa Minato, which is the name I used to sign the inventor Declaration and Assignment for the above-referenced matter.

All statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the above-identified patent.

Date: August 23, 2006

By: Yoshihisa Minato  
Yoshihisa Minato

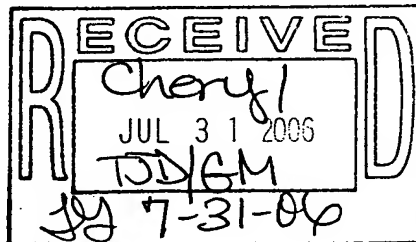


## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/564,392	Yoshihisa Ijiri	03020.0375/P375

24998  
 DICKSTEIN SHAPIRO LLP  
 1825 EYE STREET NW  
 Washington, DC 20006-5403



INTERNATIONAL APPLICATION NO.	
PCT/JP04/10055	
I.A. FILING DATE	PRIORITY DATE
07/14/2004	07/15/2003

CONFIRMATION NO. 1802  
 371 FORMALITIES LETTER



\*OC000000019760940\*

Date Mailed: 07/26/2006

## NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495)

- Priority Document
- Copy of the International Application filed on 01/13/2006
- English Translation of the IA filed on 06/05/2006
- Copy of the International Search Report filed on 01/13/2006
- Information Disclosure Statements filed on 01/13/2006
- Oath or Declaration filed on 06/05/2006
- U.S. Basic National Fees filed on 01/13/2006
- Priority Documents filed on 01/13/2006
- Power of Attorney filed on 06/05/2006
- Non-English Language Application filed on 01/13/2006
- Specification filed on 01/13/2006
- Claims filed on 01/13/2006
- Abstracts filed on 01/13/2006
- Drawings filed on 01/13/2006

Applicant's response filed 06/05/2006 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 04/27/2006 have not been completed.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - First Inventor name listed as Yoshihisa Ijiri on International Application and Yoshihisa Minato on Declaration. Please clarify.

**Applicant is required to complete the response within a time limit of ONE MONTH from the date of this**

Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

BARBARA A CAMPBELL

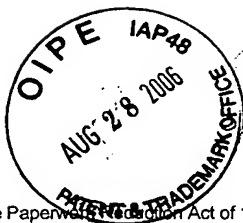
Telephone: (703) 308-9140 EXT 217

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/564,392	PCT/JP04/10055	03020.0375/P375

FORM PCT/DO/EO/916 (371 Formalities Notice)





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## Declaration and Power of Attorney for Patent Application

### 特許出願宣言書及び委任状

### Japanese Language Declaration

#### 日本語宣言書

私は、以下に記名された発明者として、ここに下記の通り宣言する：

As a below named inventor, I hereby declare that:

私の住所、郵便の宛先そして国籍は、私の氏名の後に記載された通りである。

My residence, post office address, and citizenship are as stated next to my name.

下記の名前の発明について、特許請求範囲に記載され、且つ特許が求められている発明主題に関して、私は、最初、最先且つ唯一の発明者である（唯一の氏名が記載されている場合）か、或いは最初、最先且つ共同発明者である（複数の氏名が記載されている場合）と信じている。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

OBJECT DETERMINING DEVICE AND IMAGING APPRATUS

OBJECT DETERMINING DEVICE AND IMAGING APPRATUS

上記発明の明細書はここに添付されているが、下記の箱がチェックされている場合は、この限りでない：

the specification of which is attached hereto unless the following box is checked:

☒ January 13, 2006 の日に出版され、

☒ was filed on January 13, 2006

この出版の米国出版番号またはPCT国際出版番号は、

as United States Application Number or

PCT International Application Number

10/564,392

and was amended on

(if applicable).

であり、且つ

の日に補正された出版（該当する場合）

私は、上記の補正案によって補正された、特許請求範囲を含む上記明細書を検討し、且つ内容を理解していることをここに表明する。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編規則1.56に定義されている、特許性について重要な情報を開示する義務があることを認める。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## Japanese Language Declaration

(日本語宣言書)

私は、ここに、以下に記載した外国での特許出願または発明者証の出願、或いは米国以外の少なくとも一國を指定している米国法典第35編第365条(a)によるPCT国際出願について、同第119条(a)(4)項又は第365条(c)項に基づいて優先権を主張するとともに、優先権を主張する本出願の出願日より前の出願日を有する外国での特許出願または発明者証の出願、或いはPCT国際出願については、いかなる出願も、下記の内容内をチェックすることにより示した。

I hereby claim foreign priority under Title 35, United States Code Section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365 (a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent, or inventor's certificate, or PCT International application having a filing date before that of the application for which priority is claimed.

## Prior Foreign Application(s)

Priority Not Claimed

外国での先行出願

優先権を主張なし

2003-197404 (Number) (番号)	Japan (Country) (国名)	15/07/2003 (Day/Month/Year Filed) (出願日/月/年)	<input type="checkbox"/>
2003-318701 (Number) (番号)	Japan (Country) (国名)	10/09/2003 (Day/Month/Year Filed) (出願日/月/年)	<input type="checkbox"/>
PCT/JP2004/010055 (Number) (番号)	Japan (Country) (国名)	14/07/2004 (Day/Month/Year Filed) (出願日/月/年)	<input type="checkbox"/>

私は、ここに、下記はいかなる米国仮特許出願についても、その米国法典第35編第119条(e)項の利益を主張する。

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.) (出願番号)	(Filing Date) (出願日)
(Application No.) (出願番号)	(Filing Date) (出願日)

私は、ここに、下記はいかなる米国出願についても、その米国法典第35編第120条に基づく利益を主張し、又米国を指定するいかなるPCT国際出願についても、その同第365条(c)に基づく利益を主張する。また、本出願の各特許請求の範囲の主題が、米国法典第35編第112条第1段に規定された態様で、先行する米国出願又はPCT国際出願に開示されていない場合においては、その先行出願の出願日と本国内出願日またはPCT国際出願日との間の期間中に入手された情報で、五項規則第四第37編規則1.56に定義された特許性に関わる重要な情報について開示義務があることを承認する。

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application No.) (出願番号)	(Filing Date) (出願日)	(Status Patented, Pending, Abandoned) (現況: 特許許可、係属中、放棄)
(Application No.) (出願番号)	(Filing Date) (出願日)	(Status Patented, Pending, Abandoned) (現況: 特許許可、係属中、放棄)

私は、ここに表明された私自身の知識に係わる陳述が真実であり、且つ情報と信ずることに基づく陳述が、真実であると信じられることを宣明し、さらに、故意に虚偽の陳述などを行った場合は、米国法典第18編第1001条に基づき、罰金または拘禁、若しくはその両方により処罰され、またそのような故意による虚偽の陳述は、本出願またはそれに対して発行されるいかなる特許も、その有効性に関する生ずることを確立した上で陳述が行われたことを、ここに宣言する。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## Japanese Language Declaration

(日本語宣言書)

委任状： 私は本出願を審査する手続を行い、且つ米国特許商標庁との全ての業務を遂行するために、記名された発明者として、下記の弁護士及び/または弁理士を任命する。(氏名及び登録番号を記載すること)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: (list name and registration number).

Thomas J. D'Amico, 28,371

Thomas J. D'Amico, 28,371

## 書類送付先

Address associated with Customer Number 24998  
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP  
2101 L Street NW  
Washington, DC 20037-1526

## Send Correspondence to:

Address associated with Customer Number 24998  
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP  
2101 L Street NW  
Washington, DC 20037-1526

## 直通電話連絡先：(氏名及び電話番号)

Thomas J. D'Amico, (202) 828-2232  
(facsimile: (202) 887-0689)

Direct Telephone Calls to:  
(name and telephone number)

Thomas J. D'Amico, (202) 828-2232  
(facsimile: (202) 887-0689)

唯一または第一発明者氏名 Yoshihisa Minato	Full name of sole or first inventor Yoshihisa Minato
発明者の署名 日付	Inventor's signature Date <i>Yoshihisa Minato February 7, 2006</i>
住所 Kyoto-shi, Kyoto	Residence Kyoto-shi, Kyoto
国籍 Japan	Citizenship Japan
郵便の宛先 c/o OMRON Corporation 801 Minamifudodo-cho, Horikawahigashiiru Shiokoji-dori, Shimogyo-ku, Kyoto-shi Kyoto; 600-8530; JAPAN	Post Office Address c/o OMRON Corporation 801 Minamifudodo-cho, Horikawahigashiiru Shiokoji-dori, Shimogyo-ku, Kyoto-shi Kyoto; 600-8530; JAPAN

第二共同発明者がいる場合、その氏名 Takuya Tsuyuguchi	Full name of second joint inventor, if any Takuya Tsuyuguchi
第二共同発明者の署名 日付	Second inventor's signature Date <i>Takuya Tsuyuguchi February 7, 2006</i>
住所 Soraku-gun, Kyoto	Residence Soraku-gun, Kyoto
国籍 Japan	Citizenship Japan
郵便の宛先 c/o OMRON Corporation 801 Minamifudodo-cho, Horikawahigashiiru Shiokoji-dori, Shimogyo-ku, Kyoto-shi Kyoto; 600-8530; JAPAN	Post Office Address c/o OMRON Corporation 801 Minamifudodo-cho, Horikawahigashiiru Shiokoji-dori, Shimogyo-ku, Kyoto-shi Kyoto; 600-8530; JAPAN

(第三以下の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for third and subsequent joint inventors.)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Fumikazu Imae		Full name of third joint inventor, if any Fumikazu Imae	
発明者の署名	日付	Inventor's signature	Date
		Fumikazu Imae	Feb. 7, 2006
住所 Kyoto-shi, Kyoto		Residence Kyoto-shi, Kyoto	
国籍 Japan		Citizenship Japan	
郵便の宛先 c/o OMRON Corporation 801 Minamifudodo-cho, Horikawahigashiiru Shiokoji-dori, Shimogyo-ku, Kyoto-shi Kyoto; 600-8530; JAPAN		Post Office Address c/o OMRON Corporation 801 Minamifudodo-cho, Horikawahigashiiru Shiokoji-dori, Shimogyo-ku, Kyoto-shi Kyoto; 600-8530; JAPAN	

Masashi Yamamoto		Full name of fourth joint inventor, if any Masashi Yamamoto	
発明者の署名	日付	Inventor's signature	Date
		Masashi Yamamoto	February 7, 2006
住所 Kyotanabe-shi, Kyoto		Residence Kyotanabe-shi, Kyoto	
国籍 Japan		Citizenship Japan	
郵便の宛先 c/o OMRON Corporation 801 Minamifudodo-cho, Horikawahigashiiru Shiokoji-dori, Shimogyo-ku, Kyoto-shi Kyoto; 600-8530; JAPAN		Post Office Address c/o OMRON Corporation 801 Minamifudodo-cho, Horikawahigashiiru Shiokoji-dori, Shimogyo-ku, Kyoto-shi Kyoto; 600-8530; JAPAN	

		Full name of fifth joint inventor, if any	
発明者の署名	日付	Inventor's signature	Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post Office Address	

		Full name of sixth joint inventor, if any	
発明者の署名	日付	Inventor's signature	Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post Office Address	